

<b>Notice of Allowability</b>	<b>Application No.</b>	<b>Applicant(s)</b>	
	10/065,802	TRAPP ET AL	
	<b>Examiner</b>	<b>Art Unit</b>	
	Ronald Baum	2136	

**-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--**

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1. ☒ This communication is responsive to 11/14/05.
2. ☒ The allowed claim(s) is/are 1-68.
3. ☒ The drawings filed on 20 November 2002 are accepted by the Examiner.
4. ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
  - a) ☐ All    b) ☐ Some\*    c) ☐ None    of the:
    1. ☐ Certified copies of the priority documents have been received.
    2. ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.
    3. ☐ Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).

\* Certified copies not received: \_\_\_\_\_.

Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application.  
**THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.**

5. ☐ A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.
  6. ☐ CORRECTED DRAWINGS ( as "replacement sheets") must be submitted.
    - (a) ☐ including changes required by the Notice of Draftsperson's Patent Drawing Review ( PTO-948) attached
      - 1) ☐ hereto or 2) ☐ to Paper No./Mail Date \_\_\_\_\_.
    - (b) ☐ including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date \_\_\_\_\_.
- Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).
7. ☐ DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

**Attachment(s)**

- |   |  |
|---|--|
| 1. <input checked="" type="checkbox"/> Notice of References Cited (PTO-892)   | 5. <input type="checkbox"/> Notice of Informal Patent Application (PTO-152)                                  |
| 2. <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948)                                | 6. <input checked="" type="checkbox"/> Interview Summary (PTO-413),<br>Paper No./Mail Date <u>08032005</u> . |
| 3. <input type="checkbox"/> Information Disclosure Statements (PTO-1449 or PTO/SB/08),<br>Paper No./Mail Date _____ | 7. <input checked="" type="checkbox"/> Examiner's Amendment/Comment  |
| 4. <input type="checkbox"/> Examiner's Comment Regarding Requirement for Deposit<br>of Biological Material          | 8. <input checked="" type="checkbox"/> Examiner's Statement of Reasons for Allowance                         |
|   | 9. <input type="checkbox"/> Other _____  |

*CEL*  
*Primary Examiner*  
*AU 2131*

## DETAILED ACTION

### EXAMINER'S AMENDMENT

An examiner's amendment to the record appears below. Should the changes and/or additions be unacceptable to applicant, an amendment may be filed as provided by 37 CFR 1.312. To ensure consideration of such an amendment, it **MUST** be submitted no later than the payment of the issue fee.

Authorization for this examiner's amendment was given in a telephone interview with Marisa J. Dubue, Reg. No. 46,673 on 12/21/2005.

1. Replace claims 1,13-18,20,27,30,33-42,50,55,59,65 with the following (shown ***marked up*** here, followed by ***clean version***):

1. A computer-based method for a multiparty electronic service, the method comprising steps of

negotiating a machine interpretable service specification between all parties, which would cooperate with a particular application running on a host system;

defining said service specification to:

identify cooperating parties;

identify a requestor and format of a service request, said request [is adapted to contain] including information about an individual who is not a party to the machine-interpretable service specification;

conduct conditional processing steps required for said service request, said conditional processing steps [is adapted to use] include using stored data about said individual; and

provide conditional notifications, said notifications [is adapted to include] including additional information about the individual described in the request;  
providing a secure computation environment in said host system;  
uploading said service specification into said secure computation environment;  
enforcing said service specification with regards to all cooperating parties;  
receiving a service request from said requestor;  
providing a secure co-processor in said secure computation environment for processing said service request, where said secure processing includes:

determining the service specification that governs said service request;  
validating the actual requestor and the content of the service request against an expected requestor and expected contents as defined in the service specification; and  
executing the conditional processing and the notifications as defined in the service specification.

13. The method of claim 1 wherein said step of providing conditional notifications further comprises the step of

providing a notification [that is adapted to contain] including information about said individual.

14. The method of claim 13, wherein said step of providing a notification [that is adapted to contain] including information about said individual further comprises the step of  
providing said notification to at least one party of said cooperating parties,  
said at least one party of said cooperating parties is a party other than said  
requestor.

15. The method of claim 14, wherein said step of providing a notification to at least one party of said cooperating parties [that is adapted to contain] including information about said individual further comprises the step of  
providing notification to said at least one party of said cooperating parties that is a party other than a provider of said stored data.

16. The method of claim 1 wherein said step of providing conditional notifications further comprises the step of  
providing a notification to at least one party of said cooperating parties [that is adapted to contain] including no information about said individual.

17. Apparatus for a multiparty electronic service, the apparatus comprising:  
at least one host computer [adapted to have] including  
at least one secure co-processor operating in  
a secure computation environment,  
said at least one host computer operative to:

negotiate a machine interpretable service specification between all parties,  
which would cooperate with a particular application running on said host  
computer;

upload said service specification into said secure computation  
environment;

enforce said service specification with regards to all cooperating parties;  
receive a service request from a requestor, the service request [being  
adapted to contain] including information about an individual who is not a party  
to the machine-interpretable service specification;

execute secure processing of said service request; and

provide notifications as defined in the service specification.

18. The apparatus of claim 17, wherein said at least one host computer is further operative to  
define said service specification to:

identify said cooperating parties;

identify said requestor and the format of said service request;

conduct conditional processing steps required for said service request,

said conditional processing steps [is adapted to use] include using stored data  
about said individual; and

provide conditional notifications,

said conditional notifications [is adapted to include] including additional  
information about the individual described in the request.

20. The apparatus of claim 17 wherein said at least one host computer is further operative to provide said notifications as conditional notifications [that is adapted to include] including additional information about an individual described in the request.

27. The apparatus of claim 17 wherein said at least one host computer is further operative to upload at least one database from at least one party of said cooperating parties, information contained therein from said at least one database [is adapted to be stored] includes storing in said host computer.

30. The apparatus of claim 27 wherein said at least one host computer operative to provide notifications is further operative to provide conditional notifications that [is adapted to contain] including information about an individual.

33. An identification apparatus for matching individuals, the apparatus comprising:  
at least one host computer [adapted to have] including at least one secure co-processor operating in a secure computation environment,  
said at least one host computer operative to:  
negotiate a machine interpretable contract between all parties,  
which would cooperate with  
a particular application running on said host computer;

upload said contract into said secure computation environment;  
enforce said contract with regards to all cooperating parties;  
receive a service request from a requestor, the service request [being adapted to contain] including information about an individual who is not a party to the machine-interpretable contract;  
execute secure processing of said service request; and  
provide notifications as defined in the contract.

34. An article of manufacture for use in a multiparty electronic service, comprising a machine readable medium tangibly embodying a program of instructions executable by a machine for implementing a method, the method comprising steps of:

negotiating a machine interpretable service specification between all parties, which would cooperate with a particular application running on a host system;

defining said service specification to:

identify cooperating parties;

identify a requestor and format of a service request,

said request [is adapted to contain] including information about an individual who is not a party to the machine-interpretable service specification;  
conduct conditional processing steps required for said service request,

said conditional processing steps [is adapted to use] including using stored data about said individual; and  
provide conditional notifications,

said notifications [is adapted to include] including additional information  
about the individual described in the request;  
providing a secure computation environment in said host system;  
uploading said service specification into said secure computation environment;  
enforcing said service specification with regards to all cooperating parties;  
receiving a service request from said requestor; ..  
providing a secure co-processor in said secure computation environment for processing  
said service request,

where said secure processing includes:

determining the service specification that governs said service request;

validating

the actual requestor and

the content of the service request

against

an expected requestor and

expected contents as defined in the service specification; and

executing

the conditional processing and

the notifications as defined in the service specification.



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35. A program storage device readable by a machine, tangibly embodying a program of instructions executable by the machine to perform methods steps for managing a matching identification service, the method comprising the steps of:

negotiating a machine interpretable service specification between all parties, which would cooperate with a particular application running on a host system;

defining said service specification to:

identify cooperating parties;

identify a requestor and format of a service request, said request [is adapted to contain] including information about an individual who is not a party to the machine-interpretable service specification;

conduct conditional processing steps required for said service request,

said conditional processing steps [is adapted to use] including using

stored data about said individual; and

provide conditional notifications,

said notifications [is adapted to include] including

additional information about the individual described in the

request;

providing a secure computation environment in said host system;

uploading said service specification into said secure computation environment;

enforcing said service specification with regards to all cooperating parties;

receiving a service request from said requestor;

providing a secure co-processor in said secure computation environment for processing said service request,

where said secure processing includes:

determining the service specification that governs said service request;

validating

the actual requestor and

the content of the service request

against

an expected requestor and

expected contents as defined in

the service specification; and

executing

the conditional processing and

the notifications as defined in the service specification.

36. A multiparty electronic service method comprising the steps of:

providing at least one host computer [adapted to have] including at least one secure co-processor operating in a secure computation environment;

operating said at least one host computer to negotiate a machine interpretable service specification between all parties, which would cooperate with a particular application running on said host computer;

uploading said service specification into said secure computation environment;

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enforcing said service specification with regards to all cooperating parties;

receiving a service request from a requestor, the service request [being adapted to contain] including information about an individual who is not a party to the machine-interpretable service specification;

executing secure processing of said service request; and

providing notifications as defined in the service specification.

37. An identification method for matching individuals, the method comprising the steps of:

providing at least one host computer [adapted to have] including at least one secure co-processor operating in a secure computation environment;

operating said at least one host computer to negotiate a machine interpretable contract between all parties, which would cooperate with a particular application running on said host computer;

uploading said contract into said secure computation environment;

enforcing said contract with regards to all cooperating parties;

receiving a service request from a requestor, the service request [being adapted to contain] including information about an individual who is not a party to the machine-interpretable contract;

executing secure processing of said service request; and

providing notifications as defined in the contract.

38. An article of manufacture for use in a multiparty electronic service, comprising a machine readable medium tangibly embodying a program of instructions executable by a machine for implementing a method, the method comprising steps of:

providing at least one host computer [adapted to have] including at least one secure co-processor operating in a secure computation environment;

operating said at least one host computer to negotiate a machine interpretable service specification between all parties, which would cooperate with a particular application running on said host computer;

uploading said service specification into said secure computation environment;

enforcing said service specification with regards to all cooperating parties;

receiving a service request from a requestor, the service request [being adapted to contain] including information about an individual who is not a party to the machine-interpretable service specification;

executing secure processing of said service request; and

providing notifications as defined in the service specification.

39. A program storage device readable by a machine, tangibly embodying a program of instructions executable by the machine to perform methods steps for managing a matching identification service, the method comprising the steps of:

providing at least one host computer [adapted to have] including at least one secure co-processor operating in a secure computation environment;

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operating said at least one host computer to negotiate a machine interpretable service specification between all parties, which would cooperate with a particular application running on said host computer;

uploading said service specification into said secure computation environment;

enforcing said service specification with regards to all cooperating parties;

receiving a service request from a requestor, the service request [being adapted to contain] including information about an individual who is not a party to the machine-interpretable service specification;

executing secure processing of [said] the service request; and

providing notifications as defined in the service specification.

40. An article of manufacture for use in matching individuals, comprising a machine readable medium tangibly embodying a program of instructions executable by a machine for implementing a method, the method comprising steps of:

providing at least one host computer [adapted to have] including at least one secure co-processor operating in a secure computation environment;

operating said at least one host computer to negotiate a machine interpretable contract between all parties, which would cooperate with a particular application running on said host computer;

uploading said contract into said secure computation environment;

enforcing said contract with regards to all cooperating parties;

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receiving a service request from a requestor, the service request [being adapted to contain] including information about an individual who is not a party to the machine-interpretable contract;

executing secure processing of said service request; and

providing notifications as defined in the contract.

41. A program storage device readable by a machine, tangibly embodying a program of instructions executable by the machine to perform methods steps for managing a matching identification service, the method comprising the steps of:

providing at least one host computer [adapted to have] including at least one secure co-processor operating in a secure computation environment;

operating said at least one host computer to negotiate a machine interpretable contract between all parties, which would cooperate with a particular application running on said host computer;

uploading said contract into said secure computation environment;

enforcing said contract with regards to all cooperating parties;

receiving a service request from a requestor, the service request [being adapted to contain] including information about an individual who is not a party to the machine-interpretable contract;

executing secure processing of said service request; and

providing notifications as defined in the contract.

42. A computer-based method for a multiparty electronic service, the method comprising steps of:

implementing on a computer system at least one contract for governing a service between a service provider, a client and at least one other party;

receiving at said service provider a first request from a client, the first request [being adapted to contain] including information about an individual who is not one of the service provider, a client and at least one other party;

sending from said service provider a data request to one of at least one other party;

receiving, at said service provider from said one of at least one other party, a data response in a secure computation environment;

determining, in accordance with said contract, whether a match exists between said first request and said data response;

if a match results from said determining step, providing a notification of said match to said at least one other part.

50. A computer-based method for a multiparty electronic service, the method comprising steps of:

implementing on a computer system at least one contract for governing a service between

a service provider,

a client and

at least one other party;

determining, in accordance with said contract, whether a match exists between

a first request from said client and  
a data response from one of at least one other party, the first request [being adapted to contain] including information about an individual who is not one of the service provider, a client and at least one other party;  
if a match results from said determining step, providing a notification of said match to said at least one other party.

55. A computer-based method for managing a matching identification service, the method comprising the steps of:

implementing on a computer system at least one contract having a contract ID for governing said matching identification service between

a service provider,  
a client and  
at least one other party determining, in accordance with said contract ID, whether a match exists between

a first request from said client and  
a data response from one of at least one other party, the first request [being adapted to contain] including information about an individual who is not one of the service provider, a client and at least one other party;  
if a match results from said determining step,  
providing a notification of said match to said at least one other party.



59. Apparatus for a multiparty electronic service, the apparatus comprising:

at least one host computer operative to:

maintain and enforce at least one contract for governing a service between a

service provider,

a client and

at least one other party; and

to determine, in accordance with said at least one contract, whether a match exists  
between

a first request from said client and

a data response from one of at least one other party, the first request [being  
adapted to contain] including information about an individual who is not one of  
the service provider, a client and at least one other party;

said at least one host computer is further operative to provide a notification to said  
at least one other party if a match results from said determination.

65. Apparatus for a matching identification service, the apparatus comprising:

at least one host computer operative to:

maintain and enforce at least one contract having a contract ID for governing a  
service between

a service provider,

a client and

at least one other party; and

to determine, in accordance with said at least one contract, whether a match exists between

a first request from said client and

a data response from one of at least one other party, the first request [being adapted to contain] including information about an individual who is not one of the service provider, a client and at least one other party;

said at least one host computer is further operative to

provide a notification to said at least one other party if a match results from said determination.

***Clean claim version:***

1. A computer-based method for a multiparty electronic service, the method comprising steps of  
negotiating a machine interpretable service specification between all parties, which would cooperate with a particular application running on a host system;  
defining said service specification to:  
identify cooperating parties;  
identify a requestor and format of a service request, said request including information about an individual who is not a party to the machine-interpretable service specification;

conduct conditional processing steps required for said service request, said conditional processing steps include using stored data about said individual; and provide conditional notifications, said notifications including additional information about the individual described in the request; providing a secure computation environment in said host system; uploading said service specification into said secure computation environment; enforcing said service specification with regards to all cooperating parties; receiving a service request from said requestor; providing a secure co-processor in said secure computation environment for processing said service request, where said secure processing includes:

determining the service specification that governs said service request; validating the actual requestor and the content of the service request against an expected requestor and expected contents as defined in the service specification; and executing the conditional processing and the notifications as defined in the service specification.

13. The method of claim 1 wherein said step of providing conditional notifications further comprises the step of providing a notification including information about said individual.

14. The method of claim 13, wherein said step of providing a notification including information about said individual further comprises the step of providing said notification to at least one party of said cooperating parties,

said at least one party of said cooperating parties is a party other than said requestor.

15. The method of claim 14, wherein said step of providing a notification to at least one party of said cooperating parties including information about said individual further comprises the step of

providing notification to said at least one party of said cooperating parties that is a party other than a provider of said stored data.

16. The method of claim 1 wherein said step of providing conditional notifications further comprises the step of

providing a notification to at least one party of said cooperating parties including no information about said individual.

17. Apparatus for a multiparty electronic service, the apparatus comprising:

at least one host computer including

at least one secure co-processor operating in

a secure computation environment,

said at least one host computer operative to:

negotiate a machine interpretable service specification between all parties,

which would cooperate with a particular application running on said host computer;

upload said service specification into said secure computation environment;

enforce said service specification with regards to all cooperating parties;

receive a service request from a requestor, the service request including information about an individual who is not a party to the machine-interpretable service specification;

execute secure processing of said service request; and

provide notifications as defined in the service specification.

18. The apparatus of claim 17, wherein said at least one host computer is further operative to define said service specification to:

identify said cooperating parties;

identify said requestor and the format of said service request,

said request including information about an individual;

conduct conditional processing steps required for said service request; and

provide conditional notifications,

said conditional notifications including additional information about the individual described in the request.

20. The apparatus of claim 17 wherein said at least one host computer is further operative to provide said notifications as conditional notifications including additional information about an individual described in the request.

27. The apparatus of claim 17 wherein said at least one host computer is further operative to upload at least one database from at least one party of said cooperating parties,  
information contained therein from said at least one database includes storing in  
said host computer.
30. The apparatus of claim 27 wherein said at least one host computer operative to provide notifications is further operative to  
provide conditional notifications that including information about an individual.
33. An identification apparatus for matching individuals, the apparatus comprising:  
at least one host computer including at least one secure co-processor operating in a secure computation environment,  
said at least one host computer operative to:  
negotiate a machine interpretable contract between all parties,  
which would cooperate with  
a particular application running on said host computer;  
upload said contract into said secure computation environment;  
enforce said contract with regards to all cooperating parties;  
receive a service request from a requestor, the service request including  
information about an individual who is not a party to the machine-interpretable contract;

execute secure processing of said service request; and  
provide notifications as defined in the contract.

34. An article of manufacture for use in a multiparty electronic service, comprising a machine readable medium tangibly embodying a program of instructions executable by a machine for implementing a method, the method comprising steps of:

negotiating a machine interpretable service specification between all parties, which would cooperate with a particular application running on a host system;

defining said service specification to:

identify cooperating parties;

identify a requestor and format of a service request,

said request including information about an individual who is not a party to the machine-interpretable service specification;

conduct conditional processing steps required for said service request,

said conditional processing steps including using stored data about said individual; and

provide conditional notifications,

said notifications including additional information about the individual described in the request;

providing a secure computation environment in said host system;

uploading said service specification into said secure computation environment;

enforcing said service specification with regards to all cooperating parties;

receiving a service request from said requestor;  
providing a secure co-processor in said secure computation environment for processing  
said service request,

where said secure processing includes:

determining the service specification that governs said service request;

validating

the actual requestor and

the content of the service request

against

an expected requestor and

expected contents as defined in the service specification; and

executing

the conditional processing and

the notifications as defined in the service specification.

35. A program storage device readable by a machine, tangibly embodying a program of instructions executable by the machine to perform methods steps for managing a matching identification service, the method comprising the steps of:

negotiating a machine interpretable service specification between all parties, which would cooperate with a particular application running on a host system;

defining said service specification to:

identify cooperating parties;



identify a requestor and format of a service request, said request including information about an individual who is not a party to the machine-interpretable service specification;  
conduct conditional processing steps required for said service request,  
said conditional processing steps including using  
stored data about said individual; and  
provide conditional notifications,  
said notifications including  
additional information about the individual described in the request;  
providing a secure computation environment in said host system;  
uploading said service specification into said secure computation environment;  
enforcing said service specification with regards to all cooperating parties;  
receiving a service request from said requestor;  
providing a secure co-processor in said secure computation environment for processing said service request,

where said secure processing includes:

determining the service specification that governs said service request;  
validating  
the actual requestor and  
the content of the service request  
against

an expected requestor and  
expected contents as defined in  
the service specification; and  
executing  
the conditional processing and  
the notifications as defined in the service specification.

36. A multiparty electronic service method comprising the steps of:
- providing at least one host computer including at least one secure co-processor operating in a secure computation environment;
  - operating said at least one host computer to negotiate a machine interpretable service specification between all parties, which would cooperate with a particular application running on said host computer;
  - uploading said service specification into said secure computation environment;
  - enforcing said service specification with regards to all cooperating parties;
  - receiving a service request from a requestor, the service request including information about an individual who is not a party to the machine-interpretable service specification;
  - executing secure processing of said service request; and
  - providing notifications as defined in the service specification.

37. An identification method for matching individuals, the method comprising the steps of:

providing at least one host computer including at least one secure co-processor operating in a secure computation environment;

operating said at least one host computer to negotiate a machine interpretable contract between all parties, which would cooperate with a particular application running on said host computer;

uploading said contract into said secure computation environment;

enforcing said contract with regards to all cooperating parties;

receiving a service request from a requestor, the service request including information about an individual who is not a party to the machine-interpretable contract;

executing secure processing of said service request; and

providing notifications as defined in the contract.

38. An article of manufacture for use in a multiparty electronic service, comprising a machine readable medium tangibly embodying a program of instructions executable by a machine for implementing a method, the method comprising steps of:

providing at least one host computer including at least one secure co-processor operating in a secure computation environment;

operating said at least one host computer to negotiate a machine interpretable service specification between all parties, which would cooperate with a particular application running on said host computer;

uploading said service specification into said secure computation environment;

enforcing said service specification with regards to all cooperating parties;

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receiving a service request from a requestor, the service request including information about an individual who is not a party to the machine-interpretable service specification;  
executing secure processing of said service request; and  
providing notifications as defined in the service specification.

39. A program storage device readable by a machine, tangibly embodying a program of instructions executable by the machine to perform methods steps for managing a matching identification service, the method comprising the steps of:

providing at least one host computer including at least one secure co-processor operating in a secure computation environment;

operating said at least one host computer to negotiate a machine interpretable service specification between all parties, which would cooperate with a particular application running on said host computer;

uploading said service specification into said secure computation environment;

enforcing said service specification with regards to all cooperating parties;

receiving a service request from a requestor, the service request including information about an individual who is not a party to the machine-interpretable service specification;

executing secure processing of the service request; and

providing notifications as defined in the service specification.

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40. An article of manufacture for use in matching individuals, comprising a machine readable medium tangibly embodying a program of instructions executable by a machine for implementing a method, the method comprising steps of:

- providing at least one host computer including at least one secure co-processor operating in a secure computation environment;

- operating said at least one host computer to negotiate a machine interpretable contract between all parties, which would cooperate with a particular application running on said host computer;

- uploading said contract into said secure computation environment;

- enforcing said contract with regards to all cooperating parties;

- receiving a service request from a requestor, the service request including information about an individual who is not a party to the machine-interpretable contract;

- executing secure processing of said service request; and

- providing notifications as defined in the contract.

41. A program storage device readable by a machine, tangibly embodying a program of instructions executable by the machine to perform methods steps for managing a matching identification service, the method comprising the steps of:

- providing at least one host computer including at least one secure co-processor operating in a secure computation environment;

operating said at least one host computer to negotiate a machine interpretable contract between all parties, which would cooperate with a particular application running on said host computer;

uploading said contract into said secure computation environment;

enforcing said contract with regards to all cooperating parties;

receiving a service request from a requestor, the service request including information about an individual who is not a party to the machine-interpretable contract;

executing secure processing of said service request; and

providing notifications as defined in the contract.

42. A computer-based method for a multiparty electronic service, the method comprising steps of:

implementing on a computer system at least one contract for governing a service between a service provider, a client and at least one other party;

receiving at said service provider a first request from a client, the first request including information about an individual who is not one of the service provider, a client and at least one other party;

sending from said service provider a data request to one of at least one other party;

receiving, at said service provider from said one of at least one other party, a data response in a secure computation environment;

determining, in accordance with said contract, whether a match exists between said first request and said data response;

if a match results from said determining step, providing a notification of said match to said at least one other part.

50. A computer-based method for a multiparty electronic service, the method comprising steps of:

implementing on a computer system at least one contract for governing a service between

a service provider,

a client and

at least one other party;

determining, in accordance with said contract, whether a match exists between

a first request from said client and

a data response from one of at least one other party, the first request including information about an individual who is not one of the service provider, a client and at least one other party;

if a match results from said determining step, providing a notification of said match to said at least one other party.

55. A computer-based method for managing a matching identification service, the method comprising the steps of:

implementing on a computer system at least one contract having a contract ID for governing said matching identification service between

a service provider,

a client and  
at least one other party determining, in accordance with said contract ID, whether  
a match exists between  
a first request from said client and  
a data response from one of at least one other party, the first request including  
information about an individual who is not one of the service provider, a client and at  
least one other party;  
if a match results from said determining step,  
providing a notification of said match to said at least one other party.

59. Apparatus for a multiparty electronic service, the apparatus comprising:

at least one host computer operative to:

maintain and enforce at least one contract for governing a service between a  
service provider,

a client and

at least one other party; and

to determine, in accordance with said at least one contract, whether a match exists  
between

a first request from said client and

a data response from one of at least one other party, the first request  
including information about an individual who is not one of the service provider,  
a client and at least one other party;



said at least one host computer is further operative to provide a notification to said at least one other party if a match results from said determination.

65. Apparatus for a matching identification service, the apparatus comprising:

at least one host computer operative to:

maintain and enforce at least one contract having a contract ID for governing a service between

a service provider,

a client and

at least one other party; and

to determine, in accordance with said at least one contract, whether a match exists between

a first request from said client and

a data response from one of at least one other party, the first request including information about an individual who is not one of the service provider, a client and at least one other party;

said at least one host computer is further operative to

provide a notification to said at least one other party if a match results from said determination.

*Examiner's Statement of Reasons for Allowance*

2. Claims 1-68 are allowed over prior art.

3. This action is in reply to applicant's correspondence of 14 November 2005

4. The following is an examiner's statement of reasons for the indication of allowable claimed subject matter.

5. As per claims 1,17,33-42,50,55,59,65, generally, prior art of record, Ginter, U.S. Patent 6,658,568 B1, Schneier et al, U.S. Patent 6,099,408, fails to teach, alone, or in combination, at the time of the invention, the features as discussed and remarked upon in the response of 11/14/2005 to office action of 10/14/2005.

6. Dependent claims 2-16,18-32,43-49,51-54,56-58,60-64,66-68 are allowable by virtue of their dependencies.

*Conclusion*

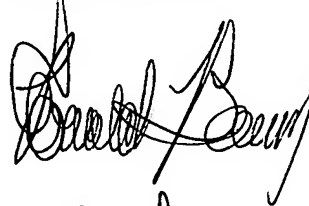
7. Any inquiry concerning this communication or earlier communications from examiner should be directed to Ronald Baum, whose telephone number is (571) 272-3861, and whose unofficial Fax number is (571) 273-3861. The examiner can normally be reached Monday through Thursday from 8:00 AM to 5:30 PM.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Ayaz Sheikh, can be reached at (571) 272-3795. The Fax number for the organization where this application is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. For more information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

Ronald Baum

Patent Examiner



Primary Examiner

AU 2131

12/22/05